# List of Objects

**Text input**   [ Convert ]

```
Country                 River Name          Length
Chinese                 Yangtze             6.370 km
Europe                  Ren                 1.230 km
Southeast Asia          Mekong              4.350 km
Northern Colombia       Cano Cristales       100 km
Portugal and Spain      Douro                897 km
Bosnia and Herzegovina  Neretva              225 km
Europe                  Tuna                2857 km
Egypt                   Nil                 6.650 km
India and Bangladesh    Ganj                2.704 km
South America           Amazon              6.400 km
```

## JSON output

### Sample code

```
function toList(str) {
  function toObject(x) {
    let b = {}
    for (let [i,s] of x.split('\t').entries())
      b[keys[i]] = (isNaN(s)? s : Number(s))
    return b
  }

    if (str) inp.value = str
    else str = inp.value
    let [d0, ...data] = str.split('\n')
    let keys = d0.split('\t')
    console.log("Keys:", keys)
    let a = data.map(toObject)
    out.innerText = JSON.stringify(a, '' ,2)
    console.table(a)
    return a
}
```

Ref: Rest Parameters

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**Console panel:**

```
> str=inp.value
< 'Country\t                 River Name\t    Lengt
  h\nChinese\t                 Yangtze\t
  6.370 km\nEurope\t                   Ren\t
  1.230 km\nSoutheast Asia\t           Mekong\t
  4.350 km\nNorthern Colombia\tCano Cristales\t
  100 km\nPortugal and Spain\tDouro \t
  897 km\nBosnia and Herzegovina \tNeretva
  225 km\nEurope\t                     Tuna
  2857 km\nEgypt\t                     Nil
  6.650 km\nIndia and Bangladesh\tGanj \t
  2.704 km\nGüney Amerika\t           Amazon\t
  6.400 km'

> function toObject(x) {
      let b = {}
      for (let [i,s] of x.split('\t').entries())
        b[keys[i]] = (isNaN(s)? s : Number(s))
      return b
    }
< undefined

> let [d0, ... ds]=str.split('\t')
< undefined

> d0
< 'Country'

> a= ds.map(toObject)
< (19) [{…}, {…}, {…}, {…}, {…}, {…}, {…},
  {…}, {…}, {…}, {…}, {…}, {…}, {…}, {…}, {…},
  {…}, {…}, {…}]

> var countries = a.filter(function(val){
        if(val.Country='Chinese'){
            return true;
  }
  });
< undefined

> a.includes('gaye')
< false

> b= a.reverse()
< (19) [{…}, {…}, {…}, {…}, {…}, {…}, {…},
```